

Date: Sat, 20 Feb 93 04:30:02 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #46
To: packet-radio

Packet-Radio Digest Sat, 20 Feb 93 Volume 93 : Issue 46

Today's Topics:

 "Poor Man's Packet" for the Mac?
 Info needed on OSCAR's (2 msgs)
 ROSE
 TCP/IP book for packet?

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 Feb 1993 19:15:31 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!saimiri.primate.wisc.edu!
usenet.coe.montana.edu!news.u.washington.edu!stein.u.washington.edu!
twinslow@network.UCSD.EDU
Subject: "Poor Man's Packet" for the Mac?
To: packet-radio@ucsd.edu

At one time I had a copy of a program similar to "poor man's packet" for
the pc. I inadvertantly erased it in my last hard drive rebuild and can
not find the documentation for it or the name of it. What is it called
and where on the net might I find it? Thanks in advance.

73,

Tollef

Tollef Winslow, KB7DNS | Small is the number of them that see with their
twinslow@u.washington.edu | own eyes and feel with their own hearts.

(206) 650-4054

|

- Albert

Date: Fri, 19 Feb 1993 11:51:53 GMT
From: munnari.oz.au!metro!usage!newt.phys.unsw.edu.au!jeice@network.UCSD.EDU
Subject: Info needed on OSCAR's
To: packet-radio@ucsd.edu

Hi all!

I have just been reading some old QST's that I found in the Uni library and came across an article published in 1987 talking about OSCAR 25 years on. It mentioned that by 1991/92 there would be some new geostationary OSCAR.

Now Does anybody know anything about this? and if so what/how would you work with? Could you use say an FT5200 transceiver? The article also said you might be able talk from Melbourne to Athens via the two satellites. Is this true?

Any help appreciated

Regards

Jose

~~~~~  
Jose Goikoetxea      ### TECNOFORCE ###      jeice@newt.phys.edu.au

~~~~~  
The Wave Of The Future!!

Date: Fri, 19 Feb 1993 21:21:25 GMT
From: usc!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Info needed on OSCAR's
To: packet-radio@ucsd.edu

In article <1993Feb19.115153.16437@usage.csd.unsw.OZ.AU>
jeice@newt.phys.unsw.edu.au (Jose Goicoechea) writes:

>Hi all!

>I have just been reading some old QST's that I found in the Uni library and came
>across an article published in 1987 talking about OSCAR 25 years on.

>It mentioned that by 1991/92 there would be some new geostationary
>OSCAR.

>Now Does anybody know anything about this? and if so what/how would
>you work with? Could you use say an FT5200 transceiver?

>The article also said you might be able talk from Melbourne to Athens via
>the two satellites. Is this true?

This is AMSAT's Phase IV program. It's been put on hold due to a lack

of international support and excessive cost. Effort is being directed instead at two other programs, a more powerful version of the Phase III series, like Oscar 10 and 13, and the microsat series. A Phase IV satellite could only cover one third of the globe while the other two series can be reached from the entire globe, though not simultaneously. Amateur satellites are by nature international creatures and insufficient support for a North America centered geostationary satellite could be found.

Note that the microsat series are relatively inexpensive to build and it's fairly easy to find them rides. They are 9 inch cubes and normally ride in place of balancing ballast on multiple satellite launches. Phase III birds are much more expensive to build, and have a more difficult time finding rides. A Phase IV bird would be most expensive to build and most difficult to find a ride. Both Phase III and IV birds have to find rides as **alternatives** to a major payload. This usually only happens when a new launcher variant is being tested. That's fairly rare.

Use of FM voice is discouraged on most all amateur satellites due to the excessive transponder power required to repeat the dead carrier present between words. The power of a linear transponder is shared among all it's simultaneous users and a strong carrier on the uplink can rob power from other signals on the transponder. More power efficient modes such as SSB and CW are encouraged.

The digital modes are used on the microsats, and permitted on a limited basis on Oscar 13 using PSK or FSK. Arsene will have an AFSK mode when it is launched, it will basically be a simple digipeater, that will allow use of FM radios in packet service. There is also a soft limiting FM transponder at S band on one satellite, but it sees limited use since S band equipment is not common.

Having a multimode radio is the best choice for working all the satellites in all their modes. You can press an FM transmitter into CW service, but you still need an SSB/CW receiver. This is a potentially cheap way to become active on Modes A and B however. A keyed FM transmitter can be used for uplink, on 145 MHz for Mode A or on 435 MHz for mode B, while a HF receiver can receive Mode A signals at 10 meters or a converter can be used in front of the receiver to hear 145 MHz downlink signals on mode B.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 19 Feb 93 13:07:05 GMT
From: usc!howland.reston.ans.net!newsserver.jvnc.net!netnews.upenn.edu!prijat!
triangle.cs.uofs.edu!bill@network.UCSD.EDU
Subject: ROSE
To: packet-radio@ucsd.edu

In article <1lvcrcINNkdc@shelley.u.washington.edu>, dbillon@stein.u.washington.edu
(Damien Billon) writes:

```
|>  
|> In France some people developped a protocol similar to "rose" and claim that  
|> it is a very good one. Does anyone use this protocol in the US ? Your opinion ?  
|>
```

Uh Oh. Here we go again. Do I see yet another NETROM/THE-NET fight looming
on the horizon?? :-(

bill KB3YV

--

```
Bill Gunshannon      | "There are no evil thoughts, Mr. Reardon" Francisco  
bill@cs.uofs.edu     | said softly, "except one; the refusal to think."  
                     | #include <std disclaimer.h>
```

Date: 20 Feb 93 02:27:22 GMT
From: usc!howland.reston.ans.net!agate!stanford.edu!apple!winter@network.UCSD.EDU
Subject: TCP/IP book for packet?
To: packet-radio@ucsd.edu

In article <1ltk45INN67s@tamsun.tamu.edu> kurt@cs.tamu.edu (Kurt Freiburger)
writes:

>In article <729907499snz@wise.demon.co.uk>, simon@wise.demon.co.uk (Simon Wise)
writes:

```
>> The book you want is "NOSintro - TCP/IP over packet radio" by Ian Wade G3NRW  
>> ISBN 0-897649-00-2 ... Publisher is DOWERMAIN LTD,  
>>                                     7 Daubeney Close,  
>>                                     Harlington,  
>>                                     Dunstable,  
>>                                     Bedfordshire LU5 6NF  
>>                                     U.K.
```

>
>Hmmm, maybe we could get a bulk order done?

Personally, I intend to print out that information and wave it in front
of the manager of the local Ham Radio Outlet store. (And maybe at Computer

Literacy bookstore for good measure.) Maybe if a bunch of us do the same thing at various HRO locations, they'll take the hint and order some. (The masochists among us may even want to try it at Radio Shack. :-))

Patty

--

```
.....  
::  Patty Winter N6BIS      Internet: winter@apple.com  ::  
  
::  Sunnyvale, California    AMPRNet: 44.4.4.50  
.....
```

End of Packet-Radio Digest V93 #46
